

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
23.02.2000 Bulletin 2000/08

(51) Int Cl.7: **A61B 19/00**

(43) Date of publication A2:
09.06.1999 Bulletin 1999/23

(21) Application number: **98310069.4**

(22) Date of filing: **08.12.1998**

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE
 Designated Extension States:
AL LT LV MK RO SI

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GEC PATENT DEPARTMENT,
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(30) Priority: **08.12.1997 US 986863**

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(54) **Fiducial cup**

(57) A fiducial positioning cup (86) has a hemispherical well (92) in its top and a central bore (94) from a bottom of the hemispherical well (92) to a base of the positioning cup (86). The fiducial cup (86) is then attached to the skin (88) of a patient. A needle is passed through the fiducial positioning cup (86) to mark an area of the patient's skin (88) with a tattoo. Fiducials are secured in the fiducial positioning cups (86). Magnetic resonance or other diagnostic images are taken. Once the images are taken, the fiducials and fiducial positioning cups (86) are removed. The tattoo mark remains. The fiducial positioning cups (86) are reattached when a stereotactic procedure is to be performed. The needle is passed through the fiducial cups (86) and a tip of the needle is aligned with the tattooed mark on the patient's skin (88). The fiducial cup (86) is then lowered and centred over the tattooed mark. A stereotactic wand is aligned with the magnetic resonance image by placing a tip of the wand in the fiducial cups (86) and emitting signals. The stereotactic system decodes the signals to identify where the tip of the wand is on the magnetic resonance image.

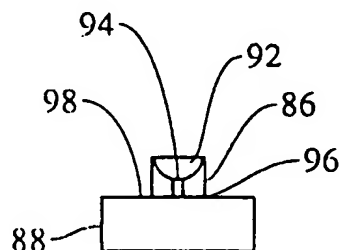


Fig. 5

European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 98 31 0069

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Place of search THE HAGUE		Date of completion of the search 17 December 1999	Examiner Mayer, E
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ANNEX TO THE EUROPEAN SEARCH REPORT
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